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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/617,280	07/10/2003	Shawn Gallagher	H2134-00006	2448	
41396	7590	03/21/2006	EXAMINER		
DUANE MORRIS LLP				LEE, WILSON	
IP DEPARTMENT				ART UNIT	
30 SOUTH 17TH STREET				2821	
PHILADELPHIA, PA 19103-4196				PAPER NUMBER	

DATE MAILED: 03/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/617,280	GALLAGHER ET AL.
	Examiner	Art Unit
	Wilson Lee	2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 04 January 2006.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) _____ is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 10/6/03
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____

Remarks

Applicant elects group I (Claims 1-36) without traverse on 1/4/06. And non-elected claims 37-42 in Group II have been canceled.

Quayle Action

This application is in condition for allowance except for the following formal matters:

In claim 16, line 12, delete the open and close quotes ("") that quote the word over-drive.

In claims 19-36, line 1 in each claim, "signal" should be changed to --circuit--.

Note: a signal cannot comprise a power supply, an array of flashing lights, pulse generator, memory, a power driver, etc.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Allowable subject matter

The following is an examiner's statement of reasons for allowance:

The prior art neither discloses nor suggests the following limitations, in combination with the remaining elements as disclosed in independent claims:

a power driver controlled by the output of the pulse generator and operably connected with the at least one super-luminescent light emitting diode and with the power supply so as to over-drive the super-

luminescent light emitting diode with a current having a magnitude above the maximum forward continuous current rating such as required by claim 1:

a power driver controlled by the output of the window comparator and operably connected with the at least one super-luminescent light emitting diode and with the power supply such that when the pulse width modulated signal encounters the analog memory circuit, the window comparator is caused to trigger the power drives to over-drive the one super-luminescent light emitting diode for approximately twenty-five to thirty milliseconds so as to create a super-bright pulse of light to be emitted such as required by claim 16;

a power driver controlled by the output of the pulse generator and operably connected with the one super-luminescent light emitting diode and with the power supply so as to over-drive the super-luminescent light emitting diode with a current that is between two and ten times the maximum forward continuous current rating such as required by claim 18;

a power driver controlled by the output of the pulse generator and operably connected with the super-luminescent light emitting diode and with the power supply so as to over-drive the one super-luminescent light emitting diode with at least five times the maximum forward continuous current rating such as required by claim 19;

at least one power driver controlled by the output of the one pulse generator and operably connected with the super-luminescent light emitting diode and with the power supply so as to over-drive the super-luminescent light emitting diode with at least five times the maximum forward continuous current rating such as required by claim 36.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Abramson et al. (6,950,220) discloses a ballast circuit having a characteristic that overdriven at high temperature is undesirable. Drummond et al. (6,904,348) discloses a circuit for preventing over driving the lamp. Hutchison (6,527,422) discloses a LED array circuit for preventing overdrive of LED array. Vo et al. (6,483,254) cited in IDS by applicant discloses a LED strobe light circuit for preventing overdriving of the LEDs.

Beach et al. (6,969,843) discloses a light standard for microscopy. Archenhold et al. (6,963,175) discloses an illumination control system. Nakamura (6,867,757) discloses a display device portable electronic device. Hong (6,836,079) discloses a light emitting lamp. Schanberger et al. (6,801,003) discloses a systems for synchronizing lighting effects. Muthu et al. (6,596,977) discloses an average light

sensing for PWM control of RGB LED based white light luminaries. Diez et al. (6,414,437) discloses an apparatus for controlling illumination devices of vehicles. Yen (6,255,786) discloses a light emitting diode lighting device.

The prior arts cited above do not disclose the claimed invention.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Wilson Lee whose telephone number is (571) 272-1824. Papers related to Technology Center 2800 applications may be submitted to Technology Center 2800 by facsimile transmission. Any transmission not to be considered an official response must be clearly marked "DRAFT". The official fax number is (571) 273-8300. Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Wilson Lee
Primary Examiner
U.S. Patent & Trademark Office